

NOTE ON THE VARIATION AND DISTRIBUTION OF *BULIMUS*  
*OBLONGUS*, MÜLL.

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AN interesting series of this well-known snail has recently been kindly shown me by Sir Rawson Rawson, and, since it comprises a new and well-marked variety, I thought it might be useful to tabulate the known forms.

1. Typical. Reeve, Conch. Icon. fig. 210.

*a.* Large. North Brazil, Guiana, Venezuela, U.S. Columbia, Trinidad, Tobago, Grenada, St. Vincent, Barbados, St. Kitts, and St. Thomas.

*b.* Smaller. Bolivia (D'Orbigny).

2. n. var. *albolabiata*. Of the same size as the typical form (*a*), but white beneath the epidermis; lip also white.

*Hab.*—Tobago (Sir R. Rawson).

3. n. var. *alba*. As large as the type (*a*), but pure white; lip rose-pink.

*Hab.*—Bolivia (D'Orbigny and Brit. Mus.).

4. var. *crassa* (Albers) (= *B. hamastoma*, Scopoli). Smaller than type, whitish, narrower, becoming very solid with age, lip rosy.

*Hab.*—Paraguay and Matto Grosso (Brit. Mus.); Ytati, Argentine Republic, and Bolivia (D'Orbigny).

5. var. *capillacea* (Pfr.). Much smaller than type (*a*), spire less conical, more obtuse at the apex.

*Hab.*—River Solimoës, West Brazil (Pfr.); Puerto (Martens); Corrientes, Argentine Republic (D'Orbigny); Yurimaguas, Peru (Brit. Mus.).

The extreme varieties are so different that without intermediate links we should not hesitate to consider them distinct. I am inclined, however, to follow von Martens<sup>1</sup> in placing *B. capillaceus* of Pfeiffer among the forms of this species.

The example figured by Scopoli,<sup>2</sup> regarded (erroneously) by some as the type of the genus *Bulimus*,<sup>3</sup> belongs apparently to the variety *crassa*.<sup>4</sup> The figure is considerably out of drawing, the spire being too much produced, but the body-whorl is narrow (41 mm.) and oblong as in this variety. The most interesting specimens belong to the var. *albolabiata*. According to Sir R. Rawson they live under the same conditions as the normal coloured form. The cause of this absence of colour is therefore, at present, a matter of mere conjecture.

<sup>1</sup> In Pfeiffer's Novitates, vol. v. p. 19.

<sup>2</sup> Delic. flor. et faun. Insubr. p. 67, pl. xxv. figs. 1, 2.

<sup>3</sup> Vide Smith, P.Z.S., 1893, pp. 635, 636.

<sup>4</sup> *B. sencri*, Jousseaume, Bull. Soc. Zool. France, 1884, vol. ix. p. 169, pl. iv. fig. 3, is closely allied to this variety.